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Donald P. Reynolds
Name

Donald P. Reynolds
Signature

DOCKET: CU-1516

09-25-00

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

In re application of: Terumi SUNAGA —

SERIAL NO: 08/820,608 —

FILING DATE: March 19, 1997

TITLE: SPREAD SPECTRUM COMMUNICATION
TRANSMITTER AND RECEIVER, AND
CDMA MOBILE COMMUNICATION
SYSTEM

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)Group Art Unit: 2132

)Examiner: K. Vanderpuye

The Assistant Commissioner for Patents
Washington, D.C. 20231

AMENDMENT

Sir:

In response to the Office Action dated June 21, 2000, please amend the application as follows:

In the Claims

Please cancel claims 1-7.

In claim 6, line 1, delete "4" and insert -- 20--.

Please amend Claim 8 as follows:

--8. (Thrice amended) A CDMA mobile communication system comprising transmitters and receivers, each of said transmitters comprising:

a pilot channel transmit unit which intermittently transmits a pilot signal in a spread spectrum formation wherein the pilot signal is intermittently transmitted in synchronism with other transmitters which transmit pilot signals to reduce pilot signal interference, thereby increasing signal-to-noise ratio in other receivers;

traffic channel transmit units which respectively transmit data signals in respective traffic channels while the pilot signal is intermittently transmitted;

each of said receivers comprising:

a pilot channel receive unit which demodulates the pilot signals respectively transmitted intermittently in the spread spectrum formation by the transmitters and detects, from the pilot signals, a timing for a traffic channel demodulation; and

a traffic channel receive unit which demodulates the data signals at the timing detected by said pilot channel receive unit.